

**OPTICAL POWER CONTROL MONITOR FOR MULTIPLE  
WAVELENGTH FIBER-OPTIC NETWORKS**

Abstract

- 10 An optical control monitor and a method for adjusting for changes in optical signals transmitted through an optical network. The method comprises the steps of transmitting a set of optical signals through a network, each of the optical signals having a respective wavelength; and tracking changes to said set of signals by passing each of the signals through a filter having a bandpass function, and dithering the filter
- 15 bandpass about the wavelengths of each of said set of signals to generate filter output signals. The filter output signals are used to adjust the network or the set of optical signals to compensate for said changes.